

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A flexible foil, moveable by non-mechanical means, comprising an alternating array of first and second foil sections each non-mechanically moveable between a flattened state and a bent state having a predetermined direction of bending, wherein the predetermined direction of bending of first foil sections is opposite to the predetermined direction of bending of second foil sections.
2. (original) A foil as claimed in claim 1 wherein at least one of the first and second foil sections includes a polymeric material.
3. (original) A foil as claimed in claim 2 wherein the polymeric material includes an polymerized liquid crystal.
4. (original) A foil as claimed in claim 3 wherein at least one of the first and second foil sections includes a polymerized liquid crystal which, near one major surface of the foil, is

anisotropically oriented and exhibits, in directions transverse to the foil, a change in orientation and/or concentration.

5. (original) A foil as claimed in claim 4, wherein the polymerized liquid crystal has a splay orientation with a planar orientation near the one major surface of the foil and a homeotropic orientation near the major surface opposite the one major surface.

6. (currently amended) A foil as claimed in claim ~~1, 2, 3, 4 or 5~~ wherein at least one of the first and second foil sections is non-mechanically moveable between a flattened state and a bent state by means of radiation.

7. (currently amended) A foil as claimed in claim ~~1, 2, 3, 4 or 5~~ wherein at least one of the first and second foil sections are non-mechanically moveable between a flattened state and a bent state by means of supplying or extracting heat or combination thereof.

8. (currently amended) A foil as claimed in claim ~~1, 2, 3, 4, 5, 6 or 7~~ wherein the foil is attached to a structure which is fixed relative to the movement of the foil.

9. (original) A foil as claimed in claim 8, wherein the foil is a valve switchable between a closed and an open state.